

Teknobond 300

Epoxy Based, Two Component, Low Viscosity Primer



CE EN 1504-2

Product Description Teknobond 300 is a two component, low viscosity, solvent free epoxy resin primer.

Areas of Usage

- Lining concrete surfaces, cement screed and epoxy mortars,
- On normal, hot surface, moist and wet surfaces,
- As a primer before all epoxy and polyurethane floor coverings,
- As a binder for epoxy based levelling mortar and mortar coverings,

Features and Benefits

- Low viscosity
- Has good penetration properties,
- High bond resistance,
- Solvent free,
- Easy to implement,
- Waiting times are short,
- All purpose
- It can be used outdoors,

Application Instructions

Surface Preparation: The application surface should be free of all kinds of dust, dirt, weak and friable particles, cement sherbet residues, oil and grease and dry. Concrete substrate must be clean, robust and sufficiently Compressive Resistance (at least 25 N/mm²), tensile strength (pull off) at least 1.5 N/mm². Application surface, to ensure maximum adhesion resistance, pressurized air holding, etc. it must be cleaned using methods.

Mixing: After adding component B to component A, mix it for 2-3 minutes until it has a homogeneous color (up to 400 RPM) with a low speed electric stirrer.

Make sure that a continuous, nonporous layer is covered by the surface. If necessary, apply two storey of primer. Teknobond 300 NB can be applied with brush, roller or spray gun. Immediately after application, tools should be cleaned with TEKNOTHINNER without hardening. Hardened product can only be mechanically cleaned.

Application Notes / Restrictions

- Do not use it below the permitted minimum temperature to complete the hardening of the material. Low temperatures will slow hardening and high temperatures will speed hardening. Pot life will vary depending on the temperature.
- The floor temperature without curing should be at least 3°C above the condensation point.
- The product may cause sensitization by skin contact. Protective gloves, mask and goggles should be worn. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- +5°C below the product stored for a long time can be observed crystallization. If the crystals are dissolved, the product can be used without any problems by returning to room temperature.
- Color losses can be yellowing of the product, which is hardened due to direct sunlight (UV).
- In areas where water clear color and long term UV resistance is expected, TEKNOBOND 350 should be used.

Outlay

Primer : 300-500 gram / m²

Bedding Mortar: 1,4 - 1,6 kg / m² / mm (Quartz sand varies depending on the amount)

Repair Mortar : 2,0 - 2,2 kg / m² / mm (Applications using quartz sand up to 10 times by weight)

Technical Data

General Information		
Chemical Structure	Solvent free Epoxy	
Color	Transparent Yellowish Liquid	
Shelf Life	12 months from the date of production in its original packaging	
Package	A Component: 10 kg can B Component: 5 kg can A+B Components: 15 kg set	A Component:400 kg (2 tub) B Component: 200 kg tub A+B Components: 600 kg set (3 tub)
Application Information		
Mixture Density	1,10±0,02 g/ml (EN ISO 2811-1)	
Pot Life	≥ 30 minutes (It depends on the weather conditions)	
Waiting Period Between Layers	Min 24 hours, max 3 days (+20°C)	
Mixture Ratio	2 Component A : 1 Component B (Weight)	
Full Strength	7 days (+20°C de)	
Surface/Environment Temperature	Min +10°C / Max +30°C	
Surface Humidity Content	< 4% (Weight)	
Relative Humidity	It should be max %80	
Performance Information		
Bending Resistance (7 days)	≥ 30 N/mm²	(TS EN 196-1)
Compressive Resistance (7 days)	≥ 75 N/mm²	(TS EN 196-1)
Concrete Adhesion Strength	≥ 4 N/mm² (From Concrete)	(TS EN 4624)
Steel Adhesion Strength	< 3 N/mm²	(TS EN 4624)
Shore D Hardness (7 days)	83	
Thermal Strength	Continuous: +50°C max 7 days: +80°C	

Technical information is approximate value obtained from the Tekno Construction Chemicals Laboratory works and are valid for the performance of the finished product in 27 days, which are obtained at +20°C temperature and 50% relative humidity rate.

